FIG.1

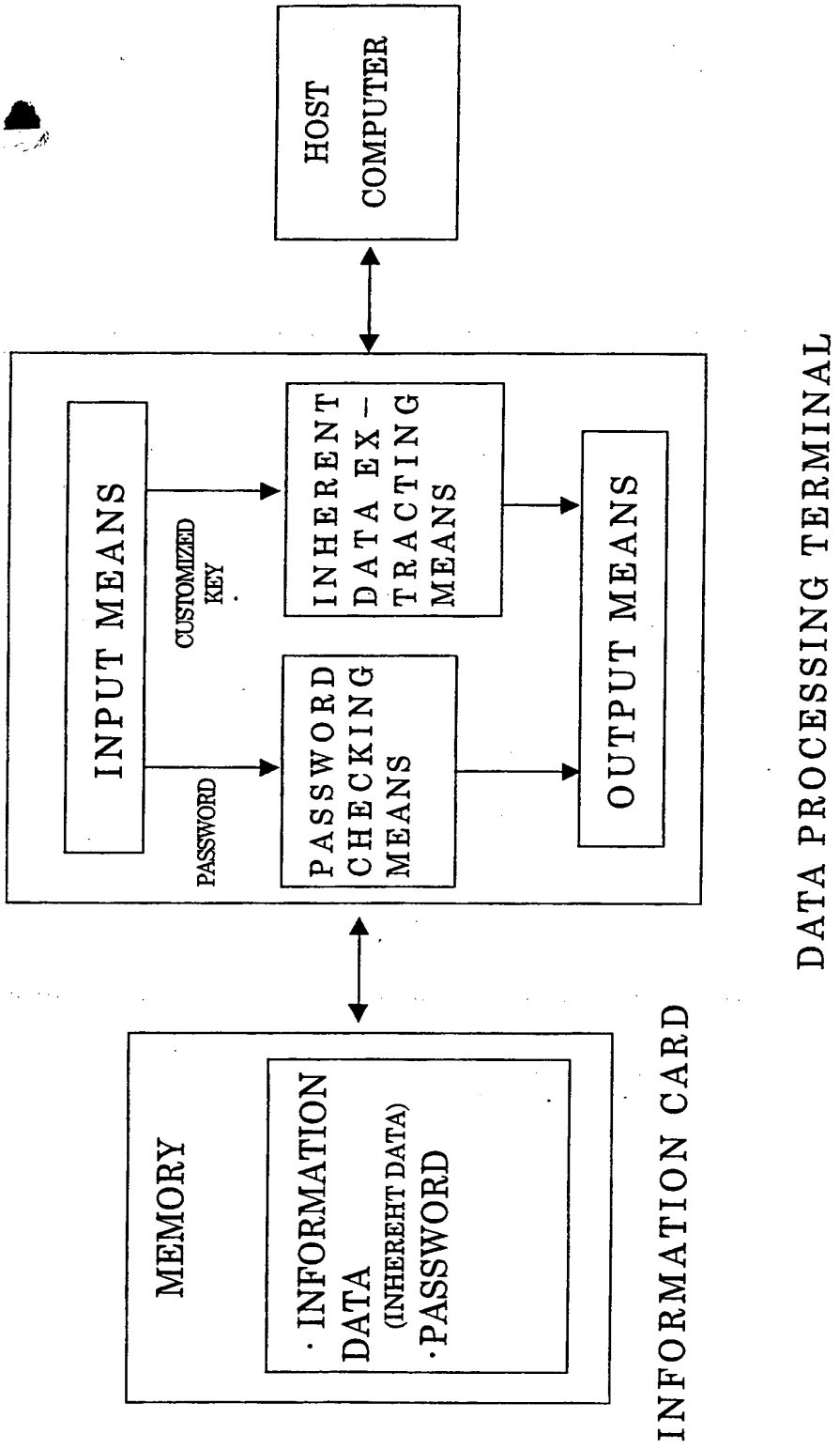
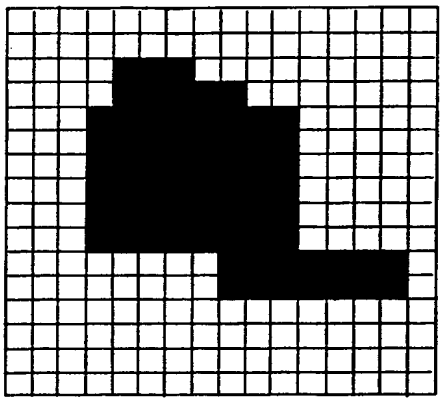
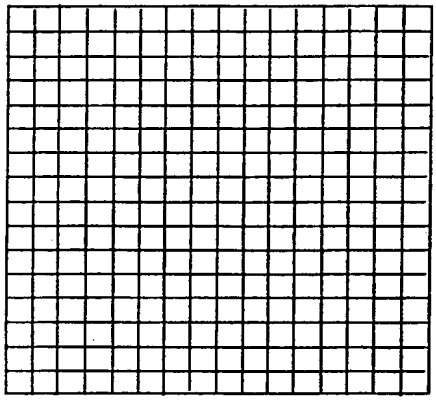

HOST COMPUTER
INPUT MEANS
CUSTOMIZED KEY
PASSWORD
INHERENT DATA EX-TRACTING MEANS
PASSWORD CHECKING MEANS
OUTPUT MEANS
DATA PROCESSING TERMINAL
MEMORY
· INFORMATION DATA
(INHERENT DATA)
· PASSWORD
INFORMATION CARD

FIG.2A



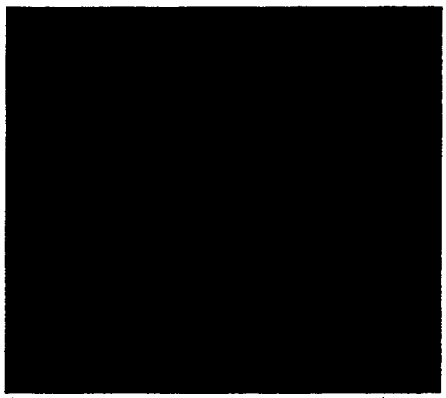
P

FIG.2B



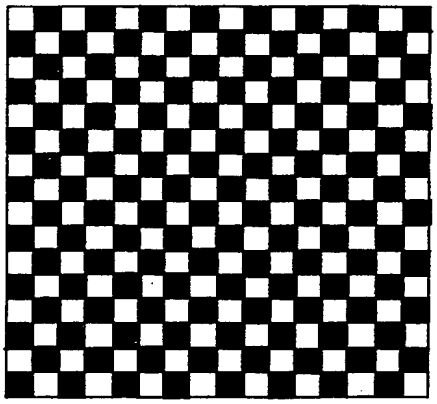
W

FIG.2C



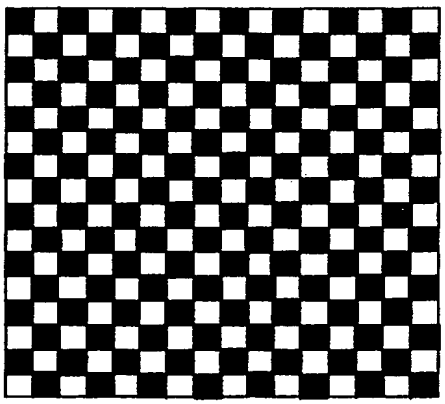
B

FIG.2D



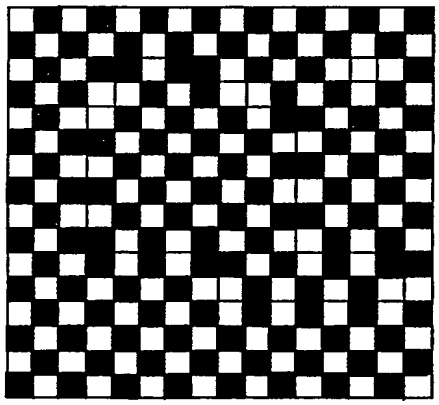
Wc

FIG.2E



Bc

FIG.2F



P*

09/806653
PCT/US99/21663

FIG.3

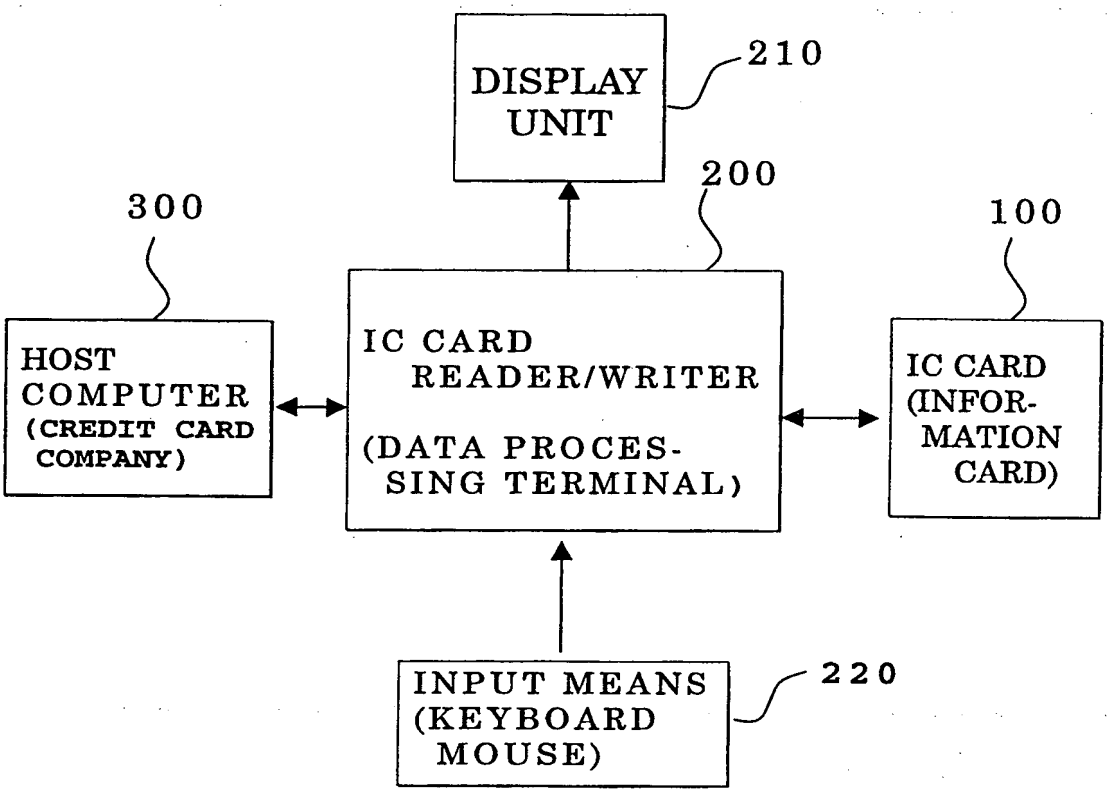


FIG.4

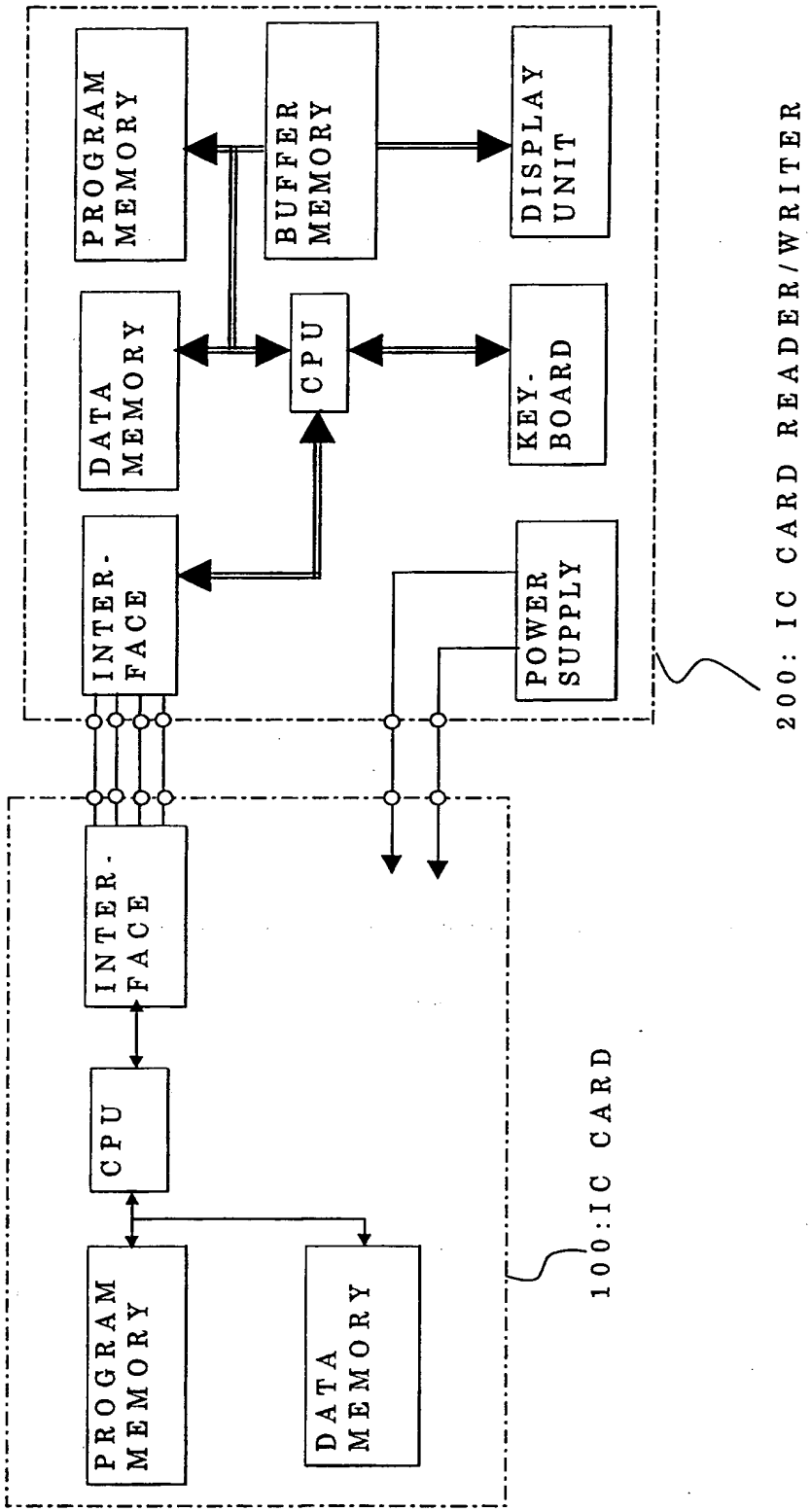

PROGRAM MEMORY
BUFFER MEMORY
DISPLAY UNIT
DATA MEMORY
CPU
KEY-BOARD
INTER-FACE
POWER SUPPLY
200: IC CARD READER/WRITER
INTER-FACE
CPU
PROGRAM MEMORY
DATA MEMORY
100:IC CARD

FIG.5

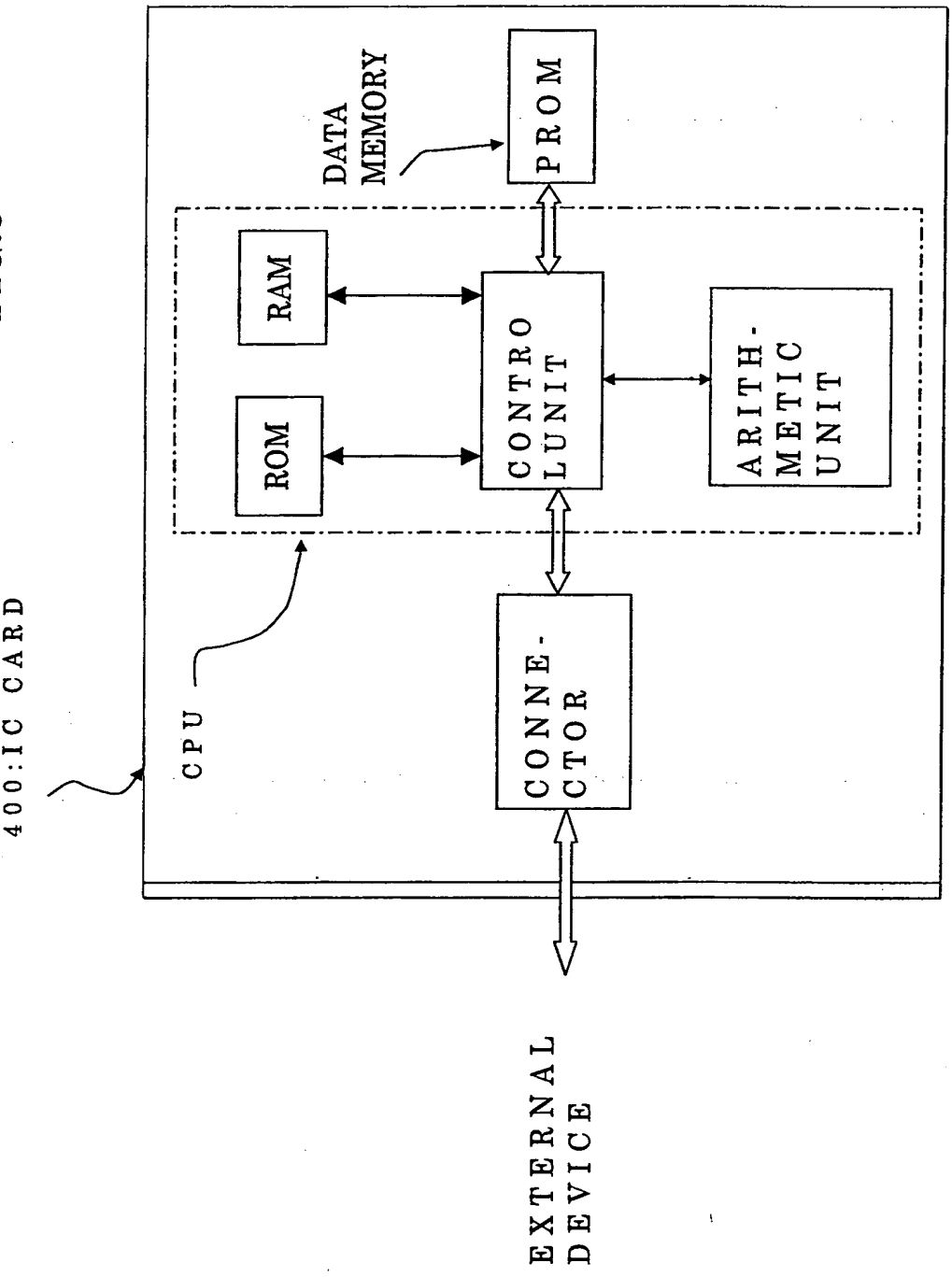
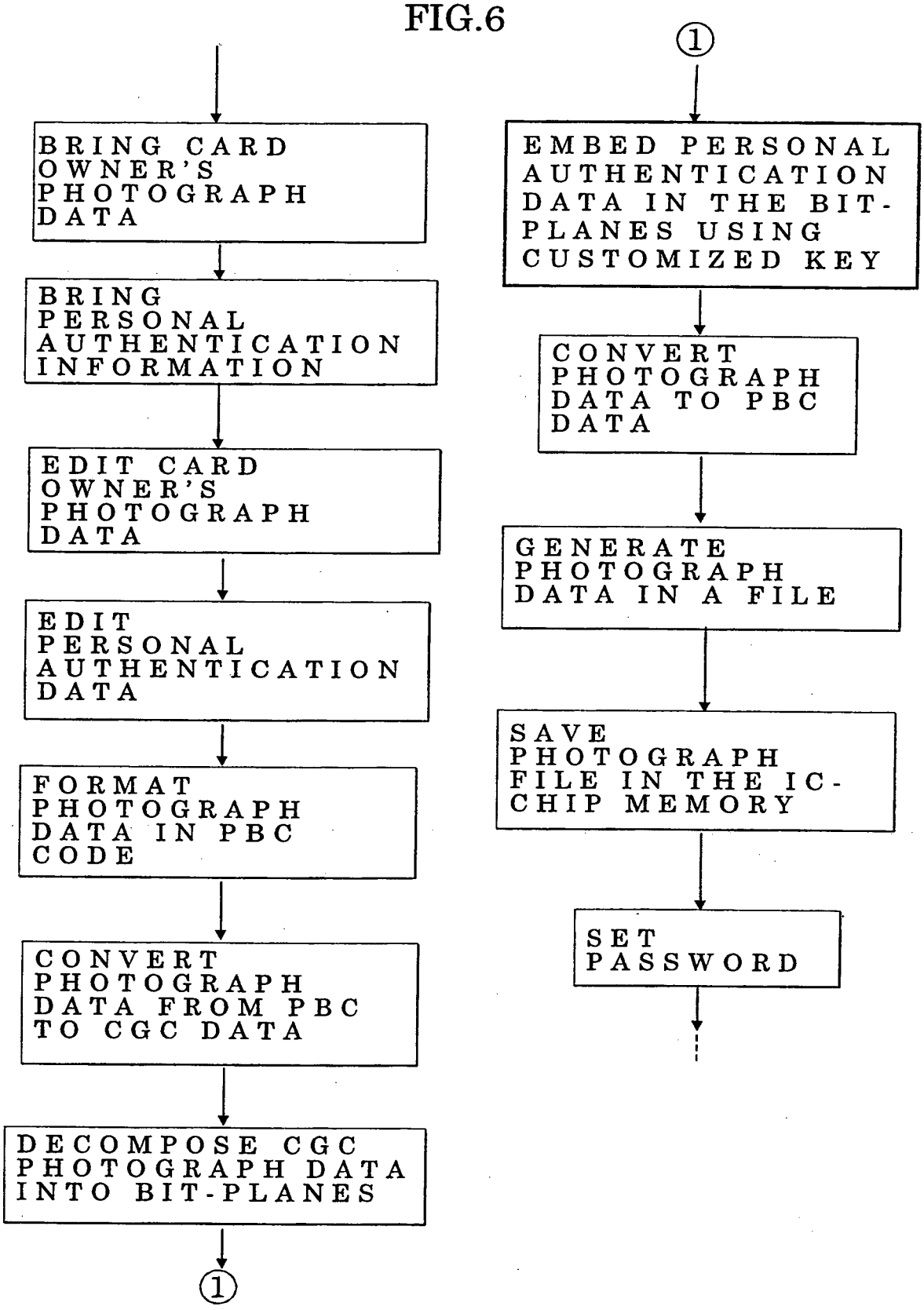
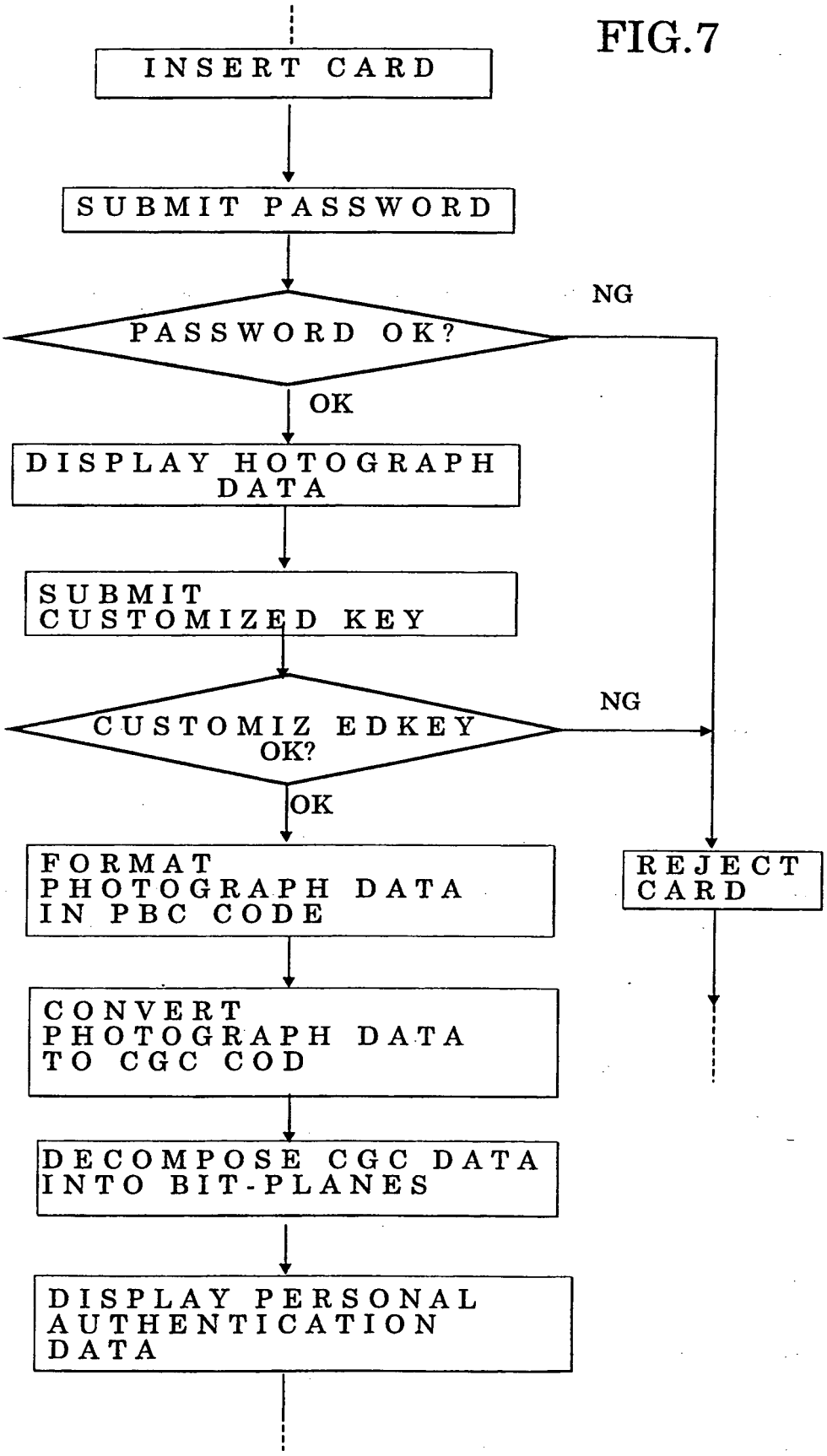

400:IC CARD
CPU
DATA MEMORY
PROM
RAM
ROM
CONTRO LUNIT
ARITH-METIC UNIT
CONNE-CTOR
EXTERNAL DEVICE

FIG.6



SUBSTITUTE SHEET (RULE 26)

FIG.7


INSERT CARD
SUBMIT PASSWORD
PASSWORD OK?
NG
OK
DISPLAY HOTOGRAPH DATA
SUBMIT CUSTOMIZED KEY
CUSTOMIZ EDKEY OK?
NG
OK
FORMAT PHOTOGRAPH DATA IN PBC CODE
REJECT CARD
CONVERT PHOTOGRAPH DATA TO CGC COD
DECOMPOSE CGC DATA INTO BIT-PLANES
DISPLAY PERSONAL AUTHENTICATION DATA